

Page 1 of 1

All amounts are calculated in domestic currency.

[illegible]

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 Tel.: 450 641-3330

Shipping Order

15/10/2015

Order : 109795
Reference : 30102
Ship : PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Deliver	B/O Qty
SF14124	304 FLA .250 X .500 20 X 12' ***** HT: SC2299 HT: <u>SC52229</u>	240	<u>240</u>	<u>✓</u>
SSQT34340494	304 SQ TUBE .750 X .049 WALL 15 X 20' ***** HT:504571	300	<u>300</u>	<u>✓</u>

SHIP TST COLLECT
JP

250 CBS
21' x 4' x 6"

Shipping : _____
Package No : _____
Merchandise Received: _____

Ref. : _____

176022, 176023, 176024, 176025, 176026

Mill's Certificate of Inspection

ORIGINAL

AD STEEL CO., LTD.
164, SANGSIN 2-GIL, JINCHUN-EUP,
JINCHUN-GUN, CHUNGBUK, KOREA
Tel. 82-31-850-7834, Fax 82-31-658-0838

Supplier :

Grade : 304

Customer :

Surface Finish : AP/#4

Commodity :

Certificate No. : AD-150408-181

Specification : ASTM

Date : 08. APR. 2015

No.	Order No.	Heat No.	Product No.	Surface Finish	Thickness (mm/inch)	Width (mm/inch)	Length (mm/inch)	Quantity (pcs)	Weight (kg)	Remark
1	150401165	SC52229	B150SP100331-1	10	6.35(0.250")	12.7(0.5")	3657(12')	385	900	
2	150401165	SC52229	B150SP100334-1-A	10	6.35(0.250")	101.8(4.0")	3657(12')	54	1,010	
3	150401165	SC52229	B154FGRT100009-A	#4	6.35(0.250")	12.7(0.5")	3657(12')	350	819	
4	150401165	SC52229	B154FGRT100002-3-A	#4	6.35(0.250")	25.4(1.0")	3657(12')	210	982	
5	150401165	SC52229	B154FGRT100005-3-A	#4	6.35(0.250")	50.8(2.0")	3657(12')	190	1,777	

Chemical Composition (%)	Heat No.	C	SI	Mn	P	S	Cr	NI	Cu	Mo	N
	SC52229	0.021	0.386	1.429	0.029	0.003	18.125	8.050			0.048

Mechanical Properties	Product No.	Tensile Strength (N/mm ²)	0.2% Yield Strength (N/mm ²)	Elongation (%)	Hardness (HRC)
	B150SP100331-1	587	235	57	170
	B150SP100334-1-A	662	285	52	192
	B154FGRT100009-A	662	285	52	192
	B154FGRT100002-3-A	680	272	51	197
	B154FGRT100005-3-A	693	277	50	201

ALL A276/479 ASME SA276/479 SAE-AHS-QQ-S 7638 AMS5636, AMS5647J ASTM A192/A 192M-13 ASME SA192M ASTM A286-10 PRACTICE ABE ASTM A320/A320M-11A,
DDO-F2668/6 ASTM A193/A193M-12B CL 1G, 1B
ASME SA193/A193M GRAIN SIZE AS PER ASTM E112-98a1 NACE MR 0175 EXECUTION AS PER ASTM A464/A464M

We hereby certify, that the material described above has been tested and complies with the terms of the order contract.



AD Steel

W. J. KIM
Quality Assurance Manager

PHOENIX TUBE COMPANY, INC.
Manufacturer of Stainless Ornamental and Structural Tubing
CERTIFICATION OF TEST

Sold To:

Ship To:

CUSTOMER ORDER#: C96432

CUST REF NBR:

DATE SHIPPED: 12/12/14

SIZE: 3/4SQ X 18 GA AW

SOURCE: USA D

VENDOR: OUTOK

Phone# 5492603

Ext:

ORDER#: 354906

QTY SHIPPED: 1200.0

GRADE: 304L

WELD: TIG

HEAT#: 504571

TEST REPORT#: TR012263

Report Date: 11/11/14

Specification:

ASTM A554-14

ASTM-A 240-14

MFG USING
ANNEALED, AND SHOWS NO
1900F WATER QUENCHED

T304L/304 DUAL CERTIFIED
RAW MATERIAL SPEC.

ANNEALED AND PICKLED
CONTINUOUS CARBIDE
DFARS 252.225.7008

NO WELD REPAIR

PLATE, SHEET OR STRIP
PRECIPITATION
COMPLIANT

EN 10204 2.2

NACE MR0175/01

MATERIAL IS FULL SOLUTION
MIN. SOLUTION ANNEAL TEMP

on 15/10/21

MERCURY IS NOT USED BY US AS AN ALLOYING MATERIAL NOR IS METALLIC MERCURY HANDLED IN THE VICINITY OF OUR PROCESSING LINES. WE ARE NOT PRESENTLY AWARE OF ANY MERCURY CONTAMINATION.

Chemical Analysis

C	MN	P	S	SI	CR	NI	MO	CU	CO	N2	TI
.024	1.81	.028	.010	.53	18.18	8.03	.25	.34	0	.08	0

Physical Analysis

Hardness	YIELD		TENSILE		OTHER	
	PSI	MPA	PSI	MPA	Percent EL	Percent RA
RB 82	41044	283	93981	648	60	0

THE CHEMICAL ANALYSES ARE CORRECT AS CONTAINED IN OUR CORPORATE RECORDS.
PHYSICAL PROPERTIES ARE DETERMINED WHILE MATERIAL IS IN STRIP FORM.

Melted & Manufactured In the USA FAR BAA complies, DFARS BAA complies, FAR TAA complies

CERTIFIED BY Quality Control Dept.

Jane Ferraro

1185 WIN DR, BETHLEHEM, PA., 18017 - (610) 865-5337

FAX NUMBER: 610-865-4073

171791

MCM/Keystone Canada Inc. MK#-1165405 Item-STO .750 .751 .065

304APR 14 4-05:11 PM

**CERTIFICATE OF COMPLIANCE**

Dear Customer

We hereby certify that the material listed below has been used to produce stainless steel tubing in accordance with specifications outlined in ASTM A 554 latest revision, and EN 10204 3.1

Type: 304/304L
Size: 0.750" x 0.750" x 0.065" x 240.00"
Finish: As Welded
Your P.O. #: QX7059
Item Code: STO.750.750.065

HEAT NO.: 954199

COIL NO.: 495301600

CHEMICAL ANALYSIS (%) (Per ASTM A240)

C	Mn	P	S	Si	Cr	Mo	Ni
0.0230	1.2800	0.0270	0.0010	0.4100	18.1700	N/R	8.0600
Cu	Ti	Al	N	Co	Cb	Fe	
N/R	N/R	N/R	0.0640	N/R	N/R	% Remaining	

MECHANICAL PROPERTIES (Per ASTM A240)

YIELD STRENGTH P.S.I.	TENSILE STRENGTH P.S.I.	ELONGATION %	HARDNESS
40030	7465	52.50	82 HRB

Mercury has not been used as an alloying material nor is it present in our processing methods.
All tubes inspected with in-line eddy current testing.

Date: 09/22/2015

Kevin Dallaire
Quality Manager

Q.C. Reviewed
SR106/15

190 Frobisher Drive, Waterloo, Ontario, N2V 2A2
Phone: (519) 746-0088 Fax: (519) 746-3941 (Toll Free: 1-800-563-8823)

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M304
DATE 15/10/21

PO / BATCH NO 30102/133417

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 300'
QUANTITY INSPECTED 300'
QUANTITY REJECTED _____

THICKNESS ORDERED _____
THICKNESS RECEIVED _____
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY [Signature]
DATE 15/10/21

SIGNED OFF BY _____
DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M304
DATE 15/10/22

PO / BATCH NO 30102/133417

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 240'
QUANTITY INSPECTED 240'
QUANTITY REJECTED _____

THICKNESS ORDERED .250X.500
THICKNESS RECEIVED .250X.500
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY [Signature] **DAS**
14
9-89
DATE 15/10/22

SIGNED OFF BY _____
DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30102**

Purchase Order Date 10/13/2015

PO Print Date 10/13/2015

Page Number 1 of 2

Order From :

VC-MET002

METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIER EST
LONGUEUIL, QC J4N 1L7
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

PAID

Contact Name

Vendor Phone 800 558 8858

Ship To Contact

Ship To Phone

Ship Via: TST ground

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M304B0.250x0.500	304 BAR .250 x .500	10/22/2015 Yes 10/22/2015		240.00 f	\$3.90	\$936.00
MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE							
Line Total:							\$936.00
2	M304TS0.750W.049	304 SQ Tube .75x.75x.049W	10/22/2015 Yes 10/22/2015		300.00 f	\$3.80	\$1,140.00
MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR AS PER ASTM A269 MILL FINISH							

Line Total: **\$1,140.00**

Note:

10/13/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO30102

Purchase Order Date 10/13/2015

PO Print Date 10/13/2015

Page Number 2 of 2

Order From :
METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIER EST
LONGUEUIL, QC J4N 1L7
CA

VC-MET002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 800 558 8858

Ship To Contact
Ship To Phone
Ship Via: TST ground
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

3	71401-45	PROCUREMENT QUALITY CLAUSES	10/22/2015	1.00	✓	\$0.00	\$0.00
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No

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

10/22/2015

SEP 10 2015

Line Total: \$0.00

PO Total: \$2,076.00

h CL

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 10/13/2015